

CLAIMS

1. An infrasound absorbing structure comprising:
a porous layer facing an infrasound source; and
a back wall disposed opposite to the porous layer so as to define a back air layer of a thickness between 2 and 10 m between the porous layer and the back wall.
2. The infrasound absorbing structure according to claim 1, wherein the porous layer has a surface density in the range of 0.5 to 10 kg/m².
3. The infrasound absorbing structure according to claim 1 or 2, wherein the porous layer is formed of glass wool, rock wool, polyurethane foam or felt.
4. The infrasound absorbing structure according to claim 1 or 2 further comprising an additional porous layer disposed in a middle part of the back air layer with respect to thickness.
5. A building capable of controlling infrasonic noises and having a characteristic length that contributes to resonance and an ability to generate infrasonic noises, said building comprising:
a porous layer facing an infrasound source; and
a back wall disposed opposite to the porous layer so as to define a back air layer of a thickness between 2 and 10 m between the porous layer and the back wall.
6. The building according to claim 5, wherein the porous layer has a surface density in the range of 0.5 to 10 kg/m².
7. The building according to claim 5 or 6 designed for testing a jet engine therein.